

Assistant Commissioner for Patents
Washington, D.C. 20231

ATTORNEY DOCKET: YOR9-2001-0287 (8728-514)

Date: August 9, 2001

Express Mail Label: 2652875US

Date of Deposit: August 9, 2001

Transmitted herewith for filing is the Patent Application of:

Inventors: Yuan-Chi Chang, Chung-Sheng Li, Apostol I. Natsev, John R. Smith

CONCEPT-BASED SYSTEM FOR REPRESENTING AND PROCESSING MULTIMEDIA
OBJECTS WITH ARBITRARY CONSTRAINTS

Enclosed are: [X] 35 sheets of specification; [X] 1 sheet(s) of Abstract; [X] 10 sheet(s) of claims; [X] 6 sheet(s) of drawing(s);

[X] An assignment of the invention to: International Business Machines Corporation, Armonk, New York, with Recordation Form.

[X] Declaration and Power of Attorney.

[] A certified copy of _____, from which priority under Title 35 USC §119 is claimed.

[] Associate Power of Attorney.

The filing fee has been calculated as shown below:

| | (Col. 1) | (Col. 2) |
|--|-----------|-----------|
| FOR: | NO. FILED | NO. EXTRA |
| BASIC FEE | | |
| TOTAL CLAIMS | 19 -20 = | 0 |
| INDEP CLAIMS | 3 -3 = | 0 |
| MULTIPLE DEPENDENT CLAIMS PRESENTED | | |

OTHER THAN A
SMALL ENTITY

| RATE | FEE |
|----------|-----------|
| | \$710.00 |
| X \$18 = | 0 |
| X \$80 = | 0 |
| + 270 = | |
| TOTAL | \$ 710.00 |

If the difference in Col. 1 is less than zero, enter "0" in Col. 2.

A check in the amount of \$_____ to cover the [] filing fee(s), [] recording fee is enclosed.

Please charge my Deposit Account No. 50-0510/IBM (Yorktown Heights) in the amount of \$710.00.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0510/IBM (Yorktown Heights). A duplicate copy of this sheet is enclosed.

[X] Any additional filing fees required under 37 CFR 1.16.

[X] Any patent application processing fees under 35 CFR 1.17.

Respectfully submitted,

By:

Juan C. Villar
Juan C. Villar

Registration No. 34,271

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correspondence to:

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Attorney for:

IBM Corporation
Intellectual Property Law Dept.
P.O. Box 218
Yorktown Heights, NY 10598

CERTIFICATION UNDER 37 C.F.R. §1.10

I hereby certify that this Application transmittal and documents referred to as enclosed are being deposited with the United States Postal Service on this date August 9, 2001 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EL822652875US addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Juan C. Villar
Juan C. Villar

Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. YOR9-2001-0287 (8728-514)
First Inventor YUAN-CHI CHANG
Title CONCEPT-BASED SYSTEM FOR
Express Mail Label No. EL822652875US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 46]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. ☐ Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
9. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____ / _____
Prior application information: Examiner _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label ☐ Correspondence address below
(Insert Customer No. or Attach bar code label here)

| | | | | | |
|---------|------------------------------------|-----------|----------------|----------|----------------|
| Name | F. CHAU & ASSOCIATES, LLP | | | | |
| Address | 1900 Hempstead Turnpike, Suite 501 | | | | |
| City | East Meadow | State | New York | Zip Code | 11554 |
| Country | U.S.A | Telephone | (516) 357-0091 | Fax | (516) 357-0092 |

| | | | |
|-------------------|---|-----------------------------------|--------|
| Name (Print/Type) | Juan C. Villar | Registration No. (Attorney/Agent) | 34,271 |
| Signature |  | Date | 9AUG01 |

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 750.00

Complete if Known

Application Number
Filing Date August 9, 2001
First Named Inventor Yuan-Chi Chang
Examiner Name
Group Art Unit
Attorney Docket No. YOR9-2001-0287 (8728-514)

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number 50-0510/IBM
Deposit Account Name IBM/Yorktown Heights
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
☐ Applicant claims small entity status. See 37 CFR 1.27
2. ☐ Payment Enclosed:
☐ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Code | Large Entity Fee (\$) | Small Entity Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-------------------|-----------------------|-------------------|-----------------------|------------------------|----------|
| 101 | 710 | 201 | 355 | Utility filing fee | \$710.00 |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |

SUBTOTAL (1) (\$ 710.00

2. EXTRA CLAIM FEES

Total Claims 19 -20** = 0 X 18 = \$0
Independent Claims 3 -3** = 0 X 80 = \$0
Multiple Dependent 270 = 0

**or number previously paid, if greater; For Reissues, see below

| Large Entity Code | Large Entity Fee (\$) | Small Entity Code | Small Entity Fee (\$) | Fee Description |
|-------------------|-----------------------|-------------------|-----------------------|--|
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim, if not paid |
| 109 | 80 | 209 | 40 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity Code | Large Entity Fee (\$) | Small Entity Code | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-------------------|-----------------------|-------------------|-----------------------|--|----------|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 390 | 216 | 195 | Extension for reply within second month | |
| 117 | 890 | 217 | 445 | Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| 128 | 1,890 | 228 | 945 | Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 | Design issue fee | |
| 144 | 600 | 244 | 300 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | \$40 |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00

SUBMITTED BY

Name (Print/Type) Juan C. Villar

Signature

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(Attorney/Agent)

Complete (if applicable)

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Date 9AUG01